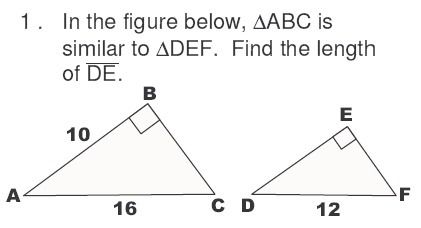
HW 2-7 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Similar Triangles



2) The sides of a triangle are 3, 6 and 7.  Find the length of the longest side of a similar triangle whose shortest side is 9.

3) Two triangles are similar. The lengths of the sides of the smaller triangle are 5, 7, and 8, and the length of the longest side of the larger triangle is 24. What is the perimeter of the larger triangle?

4)  is similar to . The ratio of the length of  to the length of  is .

Which ratio is also equal to ?

|  |  |
| --- | --- |
| 1) |  |
| 2) |  |
| 3) |  |
| 4) |  |